

# Infrared Detectors

Completed Technology Project (2012 - 2013)



## Project Introduction

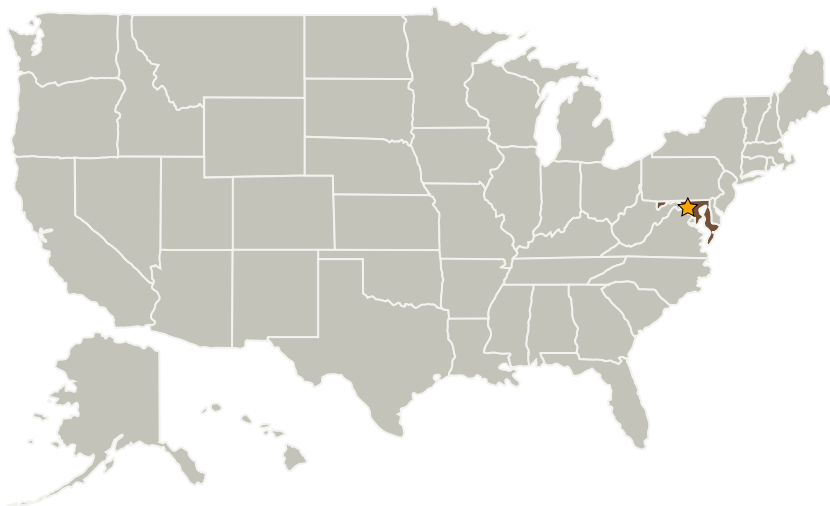
Detectors for infrared instruments are important for Earth, planetary, lunar and astrophysics remote sensing. This project will evaluate several materials for use as infrared detectors. Once the optimal materials are selected, we will fabricate and test new detectors.

The end goal of this project is to develop proof-of-concept infrared detectors which can be integrated in future infrared instruments engaged in remote sensing. We plan to evaluate several materials for their compatibility and performance.

## Anticipated Benefits

This technology may find application in infrared instruments on board future funded missions.

## Primary U.S. Work Locations and Key Partners



ROE 19 PL Infrared Detectors

## Table of Contents

Project Introduction	1
Anticipated Benefits	1
Primary U.S. Work Locations and Key Partners	1
Images	2
Links	2
Organizational Responsibility	2
Project Management	2
Technology Maturity (TRL)	2
Project Website:	3
Technology Areas	3

## Infrared Detectors

Completed Technology Project (2012 - 2013)

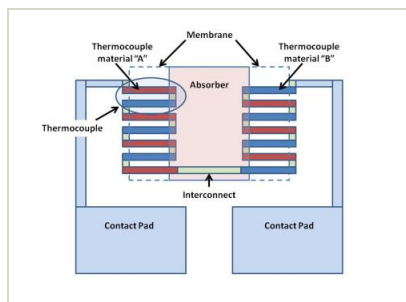


Organizations Performing Work	Role	Type	Location
★Goddard Space Flight Center(GSFC)	Lead Organization	NASA Center	Greenbelt, Maryland
MEI Technologies	Supporting Organization	Industry Small Disadvantaged Business (SDB), Veteran-Owned Small Business (VOSB)	

## Primary U.S. Work Locations

Maryland

## Images

**11810-1360163189842.jpg**

Infrared Detectors

<https://techport.nasa.gov/image/1589>
**11810-1362762731838.jpg**

ROE 19 PL Infrared Detectors

<https://techport.nasa.gov/image/1682>

## Links

NTR 1

(no url provided)

## Organizational Responsibility

**Responsible Mission Directorate:**

Mission Support Directorate (MSD)

**Lead Center / Facility:**

Goddard Space Flight Center (GSFC)

**Responsible Program:**

Center Independent Research &amp; Development: GSFC IRAD

## Project Management

**Program Manager:**

Peter M Hughes

**Project Manager:**

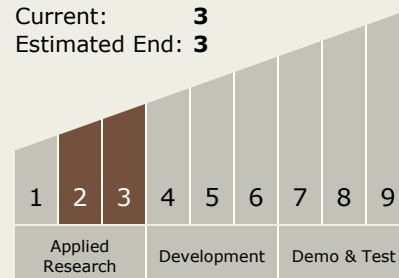
Terence A Doiron

**Principal Investigator:**

Ari D Brown

## Technology Maturity (TRL)

Start: 2  
 Current: 3  
 Estimated End: 3



## Infrared Detectors

Completed Technology Project (2012 - 2013)



### Project Website:

<http://sciences.gsfc.nasa.gov/sed/>

### Technology Areas

#### Primary:

- TX08 Sensors and Instruments
  - └ TX08.1 Remote Sensing Instruments/Sensors
    - └ TX08.1.1 Detectors and Focal Planes